

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Albert S Woodhull <aswNS@hamp.hampshire.edu>
Subject: 11 pin "octal" connectors
Message-ID: <Pine.SUN.3.91.961018091357.417E@hamp>

I need to make or obtain a power cable for a Heath HW-101 / HP-23B combination, which means I need one male and one female connector of the type that look like octal tube base and socket, except with 11 pins. In order of preference I would like:

1. a ready-to use cable
2. the connectors

or

3. info about a source for the connectors.

Can anyone help me out on this?

Please reply by e-mail, when work gets rough I don't always get all the way through the digest.

Thanks and 73, Al N1AW

--

Al Woodhull
awoodhull@hamp.hampshire.edu
<http://minix1.hampshire.edu/asw/>

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: pmills@A.crl.com (Phil Mills)
Subject: Re: 11 pin "octal" connectors
Message-ID: <199610181330.AA11389@A.crl.com>

For the plugs, sockets, and hoods, call Fred Schmidt at Typetronics 954-583-1340.

73, Phil

>I need to make or obtain a power cable for a Heath HW-101 / HP-23B
>combination, which means I need one male and one female connector
>of the type that look like octal tube base and socket, except with 11
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>Thanks and 73, Al N1AW

>--

>Al Woodhull

>awoodhull@hamp.hampshire.edu

><http://minix1.hampshire.edu/asw/>

>

>

Phil Mills, AB5TH **** Wanted -- 1957 ARRL Handbook *****

pmills@a.crl.com

713-992-5762

Friendswood, TX (south of Houston)

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996

From: dma@IslandNet.com (Jan Skirrow)

Subject: Re: 11 pin "octal" connectors

Message-ID: <m0vEJGd-000FgPC@island.amtsgi.bc.ca>

Hi All ...

There have been several posts about these 11 pin octal-like plugs recently. I have several. Each is mounted in a small aluminum can with a cable hole. There is an internal Xmas tree-like terminal post that is easily removed. Some have no components, some have resistors etc. on the terminal post They are ideal for making up cables.

If anyone needs one, please e-mail.

Jan Skirrow, VE7DJX

dma@islandnet.com

Duncan, British Columbia

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996

From: Richard Hager <rhager@millcomm.com>

Subject: Re: 11 pin "octal" connectors

Message-ID: <3267C31F.557@millcomm.com>

Albert S Woodhull wrote:

>

> I need to make or obtain a power cable for a Heath HW-101 / HP-23B

> combination, which means I need one male and one female connector

> of the type that look like octal tube base and socket, except with 11

> pins. In order of preference I would like:

> 1. a ready-to use cable
> 2. the connectors
> or
> 3. info about a source for the connectors.--

Hi Al,

I'm pretty sure those are the same connectors used for various octal plug in relays. Check your Newark or Allied catalogs.

Richard Hager

+ Ah-ha! Design Group, Inc. -
+ Precision CNC Technology, since 1991 -
+ 612-641-1797, Fax: 612-641-8681 -
+ "I just like to build stuff" So... -
+ for CNC info, don't email me, call -
+ or email Ah-ha! directly. Thanks! -
+ www.gdic.com/ahha email: ahha@gdic.com -

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: merrigan@ee.ualberta.ca
Subject: 2nd Poll -R389 Manual
Message-ID: <199610181930.0AA03192@uro.theporch.com>

I am hoping to catch a few more folks doing weekend reading:

I found a decent copy of the R-389 Manual TM 11-855 (Army) TO 31R1-2URR-161 (Air Force). Would anyone be interested in copies of this one?? This would not be a true HQ effort (it is not really worth it, since I am working from a copy) but it will be decent. But as it is 130+ pages, I don't want to put in the effort and time if there is no interest.

Shaun

--

merrigan@nyquist.ee.ualberta.ca
Electrical Engineering Student
University of Alberta
Edmonton, Alberta, Canada

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: "TOM CLINTON" <TOM_CLINTON_at_AS0200@mail.hq.faa.gov>
Subject: 32V3 Carrier Control Relay
Message-ID: <9609188456.AA845661101@mail.hq.faa.gov>

Any one out there know a source for the 48 volt control relay for a 32V3? I'm restoring a V3 and the relay is electrically and mechanically shot. Thanks in advance to all who reply!

Tom Clinton, Marietta, GA, AD4ML
...in relentless pursuit of low-efficiency, high-maintenance, grotesquely overweight, but eminently lovable communications gear.
...Only 99 more countries to make DXCC!

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: n5off@w5ddl.aara.org
Subject: 51J4 PTO Tracking
Message-ID: <489685@w5ddl.aara.org>

You can get the majority of the error out by loosening the fitting on the Kcs dial and landing it in the middle on a I Mcs marker. But according to your figures, you still have about 5 Kcs of endpoint adjustment to be done.

Not all that easy on the 51J4. If you want me to explain verbally, call me at 318-984-2561. it involves removing the front panel.

73 de tom

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: carl yaffey <cyaffey@sprynet.com>
Subject: 75A4 filter part numbers
Message-ID: <2.2.32.19961018211954.006faff8@m1.sprynet.com>

Just saw the post concerning a company that might start making filters for older radios. I'd like to ask them for 75A4 filters but I don't know the

proper part numbers. Can someone please supply the AM and CW filter part numbers?

TNX in advance,
Carl K8NU

Carl Yaffey K8NU (ex-W4EZB) cyaaffey@sprynet.com 614 268 6353 Columbus OH
Banjo player for One Riot One Ranger, independent software developer.

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  \_//      , ,
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From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: 8 Ohm versus 3.2 Ohm
Message-ID: <UPMAIL03.199610190032030943@msn.com>

Gang, after discovering that my Windex/Water Bath/ and rubbing alcohol way of cleaning the boats also must have caused the audio Trans to go open on the little R-100/R-100A/Y-xxx. Won't do that again, but it took two days for it to happen. Now in search of a transformer. Got (1) 5000 ohms to 3.2 and p-clipping the thing in, the receiver seems happy, but I would like the correct 8 ohm output one. This little guy uses a 6AW8A as the final audio and the Trains is connected as usual to the plate and 2nd Grid. I looked in my RCA tube manual but no help... I guess any value could be used.. So off I go to find a High secondary and 8 ohm output trans.

BUT, thats not what Iam writing about tonight. I am VERY curious about why for X number of years 3.2 ohms was the standard and then they went to 8 ohms and basically stayed there. I am sure it had something to do with economics, most things are.

Any one know?
Your Friend Al
fritsche@msn.com

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: RIlowite@aol.com
Subject: address addition
Message-ID: <961018140852_546128969@emout05.mail.aol.com>

can I have my subscription items cc: to-- rilowite@lowdown.com
if possible. I am in the process of changing providers. pse advise

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: joelutz@juno.com (Joseph W Lutz)

Subject: Re: ADVENTURER

Message-ID: <19961018.214253.2830.1.JOELUTZ@juno.com>

Al (and the group),

Talk to Radio Recyclers yesterday, very pleasant but alas, no adventurer. Neil did give me his web page and said that he was making up list of available equipment but not completed yet. Web page for Radio Recyclers, Wisc is www.execpc.com/~radiorec/ - and for those who do not have the telephone number it is: 414-777-7121 (10-5 M-T-W-4). Enjoy.

73 de Joe W7LPF/4

QWCA - SOWP - NCVA

email: joelutz@juno.com

Gordonsville, Va 22942 (Orange County)

//looking for the MFJ Adventurer & SX-111//

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996

From: Richard Hager <rhager@millcomm.com>

Subject: Aluminum Corrosion

Message-ID: <32671C3B.4340@millcomm.com>

Hello fellow vacuum heads...

The recent thread on AL corrosion reminded me of the problem with the aluminum wheels on our Jeep grand cherokee. I guess it's endemic to all the cast aluminum wheels.

They 'corrode'. At least they do in salt (read: snow) country. I believe the dealers, and probably the auto parts stores, have a can-a-goo for cleaning it. Phosphoric acid maybe?

I should also say: I may have heard something about a coating that's put on the wheels at the factory. Like a 'paint'. I'm not sure if the scabrous appearance is this coating degrading or the aluminum itself. Therefore, not sure if the goo is supposed to renew the coating or the aluminum, but check it out. It may be a good solution.

Also, the posts about etching with lye are right on. I use that technique to make nice satin front panels for prototypes of new products. However I was shocked to hear that one of you was etching for two hours!!

Maybe I make a much stronger bath, but I use about ten minutes. A caustic (lye) etch is the way AL is prepped for anodizing at your friendly

plating house. They etch for a few minutes.

Also, better to get USP grade Sodium Hydroxide, rather than hardware store 'lye'. And use distilled water only. 'Lye' is full of contaminants that will react with the aluminum and mar it. Same with tap water.

Good luck!

--

Richard Hager

+ Ah-ha! Design Group, Inc. -
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+ "I just like to build stuff" So... -
+ for CNC info, don't email me, call -
+ or email Ah-ha! directly. Thanks! -
+ www.gdic.com/ahha email: ahha@gdic.com -

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: mknudsen@lucent.com
Subject: Re: another 51J4 question?
Message-ID: <9610181800.AA01925@bock.ih.lucent.com>

Yes. My 51J3 panel is not engraved, just silkscreened.
It's also the oddball with no rack ears -- panel is flush with the sides.

Were any 51J's made *without* the schematic glued to the inside of the top dust cover? And do all those schematics say "R388" instead of 51J? My schematic says R388, no mention of 51J3. OTOH, the manual that came with (original, but maybe not born with that radio) says only "51J3" with no hint that Collins might be selling the military something called an R388.

Of course my dust cover may not be original.

Granted the 51J series was not marketed to hams, but what about to industrial users, oil rigs, embassies, etc?
73, mike k aa9rg

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: ARR-15
Message-ID: <m0vEKTD-0002EzC@e-tex.com>

Hello fiery filament watchers,

Anybody got an ARR-15 in the original condition (nothing removed) down in the basement that they might part with?

73 de Pete WA5JCI

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: KA9EGW@aol.com
Subject: Re: BA Emporium in Chicago? was: cleaning bug contacts
Message-ID: <961018123837_1112376366@emout14.mail.aol.com>

The Radio-TV Lab, 5631 W. Irving Park Rd, just west of Central Ave, across from Dairy Queen, 545-4740.

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: "Brian Carling" <bry@mail1.mnsinc.com>
Subject: BA parts needed still!
Message-ID: <199610181127.HAA00292@user2.mnsinc.com>

Can anyone help me find these?
Looking for bargains and donations first of course(!)

My LIST of parts needed for building a tube xmtr:

1) CHassis - preferably 9 X 12 X 4" with base cover.

2) Matching box - sure, no problem, he he!

3) Tubes:

807
1625
12BY7
6146
6L6
6AQ5A
6CL6
0D3
0C3
811
6AG7

4) Tube sockets: for all of the above tubes.

5) Transmitting Variable capacitors, low to medium power level:

- 30 pF (or 47 pF) trimmer
- 100 pF
- 150 pF
- 200 pF
- 365 pF

6) 2.5 mH RF Chokes 100 mA or 250 mA preferred.

7) Capacitors:

- 20 pF mica
- 22 pF mica
- 100 pF mica
- 180 pF mica
- 220 pF mica
- 270 pF mica
- 470 pF mica
- .001 uF at 600 V and at 2000 V or at 1000 V
- .005 uF at 600 V and at 1000 V
- .01uF at 200 V and 600 V or 1000 V
- .05uF at 1000 V or more

Electrolytics needed:

- 40 uF at 450 V
- 30 uF at 300 V
- or similar - need a bunch of these (1-12)

8) Resistors:

- 5 K 10 watts
- 22 K 1 watt or 2 watt
- 10 ohm 1 watt
- 330K 2 watt (need QTY 4-8)
- 27 K 1/2 watt or 1 watt
- 100 K 1/2 watt or 1 watt
- 47 ohm 1 watt
- 470 ohm 1/2 watt or 1 watt
- 220 k ohm 1/2 watt
- 2 K or 2.2 K 1 watt

9) Meter - prefer medium size 0-100 mA

10) FT-243 crystals

- 1805 - 1850 kHz
- 3515 - 3550 kHz
- 7010 - 7050 kHz

I only need xtals in THESE frequency ranges.

Please call (301) 990-6070 or e-mail to:
bry@mnsinc.com

Radio AF4K
Brian Carling
Brian Carling in Gaithersburg, Maryland, USA
bry@mnsinc.com
<http://www.mnsinc.com/bry/>

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: pmills@A.crl.com (Phil Mills)
Subject: BA sale lead in Houston
Message-ID: <199610182230.AA06867@A.crl.com>

I am posting this info about some gear that I looked at today that was for sale. I will give the name/phone number at the end of this e-mail....DO NOT e-mail or call me regarding any of this as all I know is in this e-mail.

SP-600 receiver, good to very good front panel, dials and s-meter in good shape.

R-388, good condition, no covers or cabinet, needed dial drum overlay.

Collins 51J, s-meter and spots in the circular frequency dial seriously yellowed, had covers and cabinet.

All of the above receivers were supposedly in working condition, I heard them but I did not really try them out...

Heath SB-610 scope, supposedly working, cabinet good, panel good except where he had etched his i.d. number then scratched it off.

The seller wants "market price" for the above items, whatever you can convince him that is. I did my good work in convincing him that he needed to sell them separately rather than as a total package as he originally wanted to do.

Possible bargain....He has a Hallicrafters manufactured BC-610E. It works but not at full power, supposedly has a problem in the bias supply. He has several coil sets and several oscillators as well as the little desk top audio unit. He has spare tubes, including 100th and 250th. He only wants \$250 for this unit. I went to look with the intention of buying this but decided it just did not suit my tastes and was a little "older" than the genre of equipment I like....I think I'll hold out for a T-368...anybody

got one of those to sell or trade?

He wants local pickup on all this stuff...

Seller info: Terry Carpenter, KI5WU

work number 713-247-4369

home number 713-772-4804

He works in the communications department of the Houston Police Dept. and he works the 3 to 11 pm shift....call him at work during those hours. If you call him at home, call him between 8:30 am and 2:00 pm.

again PLEASE DO NOT CALL OR E_MAIL ME....you now know all I do....

73, Phil

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996

From: Glenn Finerman <GFINER@nms.com>

Subject: BA's For Sale

Message-ID: <s26774d0.057@nms.com>

Due to the recent influx of Collins gear at my QTH, I'm selling some of my excess BA inventory to recover from some excess spending!!

HEATHKIT DX-60B and HG-10 VFO combo. Excellent condition, what I consider to be "collector quality" except 2 of the small knobs are cracked. No scratches, missing paint, no missing lettering. Very "mint" looking. Working on all bands, full output, recently on the air. With original manual for DX-60B (none for VFO). \$120.00 plus ship.

HALLICRAFTERS S-120 Receiver. 4 band shortwave receiver. Also "collectors quality". noisy/dirty pots. receiving signals on all 4 bands, I've seen a few of these at hamfests, but have never seen one as clean as this!....\$40.00 plus ship.

E-mail me if you are interested...

73.....Glenn N2BJG gfiner@nms.com

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Bob Reynolds <breybold@sigg.com>
Subject: BC-221 Power
Message-ID: <96Oct18.115025cdt.19615@firewall.sigg.com>

Can anyone give me the heater and B+ voltage and current
needed for the BC-221 ?

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: george.rybicki@lerc.nasa.gov (George Rybicki)
Subject: Re: BOATANCHORS digest 966
Message-ID: <v01510101ae8d482041f3@[139.88.134.25]>

If still available and is for the Hammarlund not Halli model I will take
the R274 manual.
Sned the info and I will send a check.

Thanks

George Rybicki
3232 Riding Run
Richfield, OH 44286

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: KA9EGW@aol.com
Subject: cleaning bug contacts
Message-ID: <961017234327_1678106728@emout06.mail.aol.com>

the correct way, per WA9JEZ who still runs chicago's last BA emporium from
when BAs were new, is to take a piece of paper grocery sack and drag it
through the contacts until it comes through clean.

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: wi2p@VNET.IBM.COM
Subject: Re: Collins KWM-2 with Heath HP23A
Message-ID: <199610181115.GAA00519@uro.theporch.com>

Hi all, thanks for all the info on this subject.

The most important aspect is that this thread led me to locating and
buying a 516F-2. However, it still needs to be shipped to me and that won't
be for another week or so. So for right now I have a PM-2, 516E-1 and 516F-2
coming, but nothing here yet. Therefore I'm still gonna try to get the HP23A

running. Of course soon I'll be PS rich. Anyone got an S-Line station without a PS they're interested in selling?

HP23 status now is that I have it wired for 6 volt filaments. The HV supply is 795vdc without load and drops to 790 volts when I put the rig in TUNE or LOCK. The LV supply is 275 without load, but when plugged into the KWM-2 drops to 225 vdc. The bias supply is adjustable -48 to -84 volts with no load. I set it for -70 no load. This drops to -48 when plugged into the KWM-2 and can only be adjusted up to -59 volts max. The receiver seems to work fine, but if I put the rig in TUNE or LOCK, the max plate current is about 30ma, no grid at all, with the mic gain full CW, and about 5 watts output. Looks like this PS just isn't hacking it. Well, it'll give me something to play with over the weekend. I'll go ahead and rewire it for 12 volt filaments as some have suggested. By the way, The KWM-2 was working just fine on a borrowed 516F-2 so I don't feel there's any problem with the KWM-2.

73, Ray WI2P wi2p@vnet.ibm.com

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996

From: "Rick Blank" <rblank@legend.txdirect.net>

Subject: Re: Collins KWM-2 with Heath HP23A ps

Message-ID: <199610180403.XAA01458@legend.txdirect.net>

> Rick, you gave this response to someone a couple of weeks ago....and you
> may well be right in practice, but your answer certainly does not agree
> with the Heath specs....
>
> 6.3 volts ac...11 amps (yes, eleven)
>
> HV, 700 volts at 300 ma for 50% duty cycle...maybe you like to toast
> your 6146's...
>
> 300 volts at 150 ma...continuous up to 175 ma....
>
> The specs say it will do it...I have only used the HP-23 on a 32S1 and
> I had very satisfactory results. Maybe in practice it does not meet specs.
>
> thanks & 73,
> Phil

OK, Phil, I'm just repeating what other Collins afficianados have told me thru the years....it may be OK for the 32S, according to what I remember, but not for the KWM-2...perhaps this is the same kind of info that says that for RTTY do not use the PM-2?

Anyhow, anything can do in a pinch, just to get the jewel on the air!

OK, I'll restate it:

KWM-2/A requirements: 6.3 VAC @ 9.4 amps or 12.6 VAC @ 4.7 amps

HP-23A capability: 12.6 VAC @ 11 amps or 6.3 VAC @ 5.5 amps

Clearly, the HP-23A can do it, but only when running the filaments off of 12.6 VAC!

Now, to muddy the water further I'll state my assumptions: I've got both an HP-23A and an HP-23B supply, but only the manual for the HP-23B. The HP-23A provides both 6.3 VAC, 12.6 VAC and variable bias. The HP-23B provides only 12.6 VAC and a fixed bias of -130 VDC. The manual for the HP-23B states that the 12.6 VAC current capability is 11 amps, more than twice the current needed to power the KWM-2/A filaments. ****My assumptions****, since I don't have a manual for the HP-23A are 1) that the HP-23A 12.6 VAC filament current is the same in the HP-23A and HP-23B and 2) that the HP-23A obtains 12.6 VAC from series 6.3 VAC windings of equal power rating.

Is this crystal clear yet? BTW, I'd like to get a copy of the schematic and specs for the HP-23A if anyone someone would be so kind.

Also, clearly, because of the variable bias, the HP-23A is the Heath supply to use. Using the HP-23B with its fixed bias would require some modification. FWIW, I'm using the HP-23A with my KWM-2A and it seems to be handling things just fine, although I've only had it on for an hour or two at a time so far.

Regards,
Bill Sorsby, N5BU bill.sorsby@dlep1.itg.ti.com
Grapevine, TX 76051

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Collins KWM-2 with Heath HP23A ps
Message-ID: <199610181306.IAA19812@lesol1.dseg.ti.com>

At 05:22 AM 10/18/96 -0500, Gary Harmon wrote:

>... Here's what the HP-23 and
>HP-23A manuals say about what you said:
>
>Filaments - 6.3v AC @ 11 amps
> 12.6v AC @ 5.5 amps

Thanks for the info, Gary. This suggests to me that the current capability of each 6.3 volt winding might be just 5.5 amps. The spec of 11 amps would only apply if the two windings are wired together in parallel (which is not the way the supply is normally wired up). It'd be hard to fault Heath with spec'ing the current in this manner so long as they documented a configuration option to support it in the manual. (Again, being without an HP-23A manual, I'm speculating somewhat.) At any rate, 5.5 amps @6.3 VAC is quite a bit less than the 9.4 amps @6.3 VAC required by the KWM-2/A. The rumors of HP-23 supplies burning up tends to support this theory.

Another option for those intimidated by the price of a 516F2 would be to use an HP-23B which has only one filament winding. That single winding is rated for 12.6 VAC @ 11 amps, twice the rating of the winding in the HP-23A. Of course, you have to build your own bias divider network when using the HP-23B since it only provides a fixed bias of -130 volts.

FWIW, I intend to run my KWM-2A from an HP-23A for a while (with filaments wired for 12.6 VAC). I'll plan to report back later. (Yes, I'm intimidated by the price of a 516F2.)

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Re: Collins KWM-2 with Heath HP23A ps
Message-ID: <Pine.GS0.3.95L.961018161623.21627C-100000@unixs5.cis.pitt.edu>

There was an excellent article written by K3ICH on wiring the KWM-2 filaments for 24 volts and, then, to hook a 12 volt transformer in series with the 12 volt filament lead inside the HP-23A.

It is a rather simple hookup. The article does not give specific directions as to pin hookup in the power cable for the KWM-2A nor in the HP-23A. However, I will be happy to send anyone this article for an SASE.

Dave, W3BJZ
Publisher of the monthly Collins Journal

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Collins KWM-2A PA Disable?
Message-ID: <199610181325.IAA21482@lesol1.dseg.ti.com>

In tracking down the lack of transmit capability in my KWM-2A last night I stumbled upon what I at first thought was an error in the manual. In transmit, the 6146's had no screen voltage. The lack of screen voltage was caused by the lack of a jumper between J5 and J6. I installed an external jumper to the two phono connectors and voila, screen voltage! Hook-up diagrams in the manual state that J5 and J6 are used only with VHF converters.

Question: Was this jumper originally hard-wired internally in the KWM-2/A? The schematic suggests this and shows a dotted line between J5 and J6.

BTW, this didn't solve all my transmit problems but did allow plate current as evidenced across the cathode resistors (but not on the front panel meter - probably yet another instance of dirty relay contacts).

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Sandra L Knepper <slkst29+@pitt.edu>
Subject: Re: Collins KWM-2A PA Disable?
Message-ID: <Pine.GS0.3.95L.961018162116.21627E-100000@unixs5.cis.pitt.edu>

This connection was hardwired in the original equipment that left Cedar Rapids.

Dave, W3BJZ
Publisher of the monthly Collins Journal

On Fri, 18 Oct 1996, Bill Sorsby wrote:

>

> In tracking down the lack of transmit capability in my KWM-2A last night I
> stumbled upon what I at first thought was an error in the manual. In
> transmit, the 6146's had no screen voltage. The lack of screen voltage was
> caused by the lack of a jumper between J5 and J6. I installed an external
> jumper to the two phono connectors and voila, screen voltage! Hook-up
> diagrams in the manual state that J5 and J6 are used only with VHF converters.
>
> Question: Was this jumper originally hard-wired internally in the KWM-2/A?
> The schematic suggests this and shows a dotted line between J5 and J6.
>
> BTW, this didn't solve all my transmit problems but did allow plate current
> as evidenced across the cathode resistors (but not on the front panel meter
> - probably yet another instance of dirty relay contacts).
>
>
> Regards,
> Bill Sorsby, N5BU
>
> *****
> bill.sorsby@dlep1.itg.ti.com
> Views expressed herein are no one's fault but mine.
> *****
>

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Ben Bradley <bradley@norcross.mcs.slb.com>
Subject: re: Comments on VLF Receivers for Grimetown
Message-ID: <2.2.32.19961018163120.00398aa4@norcross.mcs.slb.com>

I've been following this thread with great interest. I'd heard of VLF signals years ago, but this thread has sparked (no pun intended, and yes, I know it's not a spark-gap transmitter) my interest. There's something fascinating about 'radio' signals in the near-audio band.

>Is the SAQ a true CW signal, requiring a BFO or regenerative detector, or
>does it have some tone modulation?

Considering the way it's generated, I would think it's a straight CW signal, with only a little modulation caused by the (mechanical) nature of its generation.

I was thinking that a simple
>tuned circuit, coupled to the antenna, driving a diode detector, with plenty
>of audio amplification following, might be adequate.

I'm thinking of a tuned circuit (the 'RF' stage), lots of amplification

(the 'IF' stage), then that and a 16.5 to 17 kc BFO to something like a diode ring for 'conversion' to 'audio', then the resulting 500-1000 cps tone to a standard audio stage.

I played some last night with some coil/cap tuned circuits and an oscillator, scope and counter. I have an unknown-value ferrite-pot transformer and a 0.1 uF capacitor and got resonance at 11 kHz. I can of course 'tune' this by switching different caps in and out, but this circuit really begs for a variable inductance.

> Try these freq's. West coast should at least be able to hear NLK

How often are these frequencies used? Are there regular transmitting schedules? Or more to the point, what is the chance that there's something being transmitted on one of these at any given moment?

Ben Bradley, Design Engineer
Schlumberger Measurement & Systems
Meter Communication Systems (MCS)

snail: 3155-B Northwoods Parkway
Norcross, GA 30071-1576 USA
email: bradley@norcross.mcs.slb.com
voice: 770-368-3444 ext. 3191
fax: 770-840-8614

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: n6nae@ix.netcom.com (Richard Humphrey)
Subject: CV-591 power supply mod:
Message-ID: <199610180405.VAA26433@dfw-ix6.ix.netcom.com>

Hi fellow BA addicts:

Got my CV-591 SSB converter playing in the shack. The GPR-90 is feeding a signal in, and the audio is coming out the old Halli PM-23 speaker. Man, I love success!

Mine has a transformer with a 110 volt primary, which of course only matches reality in the Navy contract. The manual says B+ should be 300 volts, which is what I measured when feeding it 110V. Feeding it a more normal 120V, the B+ went up by about 50 volts. The 0A2 VR tube looked like it was about to blow right out of the socket. It was glowing brightly in spots I've never seen glow! I think it would have a pretty short, spectacular life if left that way.

TMC put an extra winding on the tranny which measures about 7 volts. Put in series with the primary, it yields a transformer with a much more normal 117 volt input. Fed 120 from my line, the B+ measures a

much healthier 311 volts, which is close enough for non-govamint work. I wonder if TMC knew we'd try to run these things on real electricity when the Navy got through fiddling with them?

I took the two wires off of lug 2 and moved them to lug 10. Jumper lug 8 to 2. Fire it up at 120 and measure the B+. Should be close to 300. This mod eliminates the need for variacs and stepdown transformers. Thanks TMC for thinking ahead!

If you have one of these converters, check your B+. It could be high enough to do some damage.

Richard

n6nae@ix.netcom.com

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996

From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>

Subject: Errata: Collins KWM-2 with Heath HP23A ps

Message-ID: <199610180813.DAA07240@lesol1.dseg.ti.com>

Oops, as soon as I sent the message I realized a mistake! The current capability of the 6.3 VAC winding would also be 11 amps, not 5.5 amps as I state below. This being the case, I'm puzzled as to why the HP-23A would burn out when operating the KWM-2A. (Unless, of course, the HP-23A current capability is not 11 amps as Phil Mills stated, or as is the case with the HP-23B.) Fortunately, the error doesn't change the recommendation to power the KWM-2/A off 12.6 VAC from the HP-23A. The reserve capacity of the 12.6 VAC should be more than adequate for the most conservative analysis.

Regards,

Bill Sorsby, N5BU

At 11:04 PM 10/17/96 -0500, Rick Blank wrote:

>Dave's comment was the the Heath AC supply doesn't have the current
>capability for the KWM-2's filaments...I looked back thru my
>military KWM-2/A and associated equipment manuals and did not see
>anything about current needs or capabilities....

OK, for the record, here's how to use the Heath supply ****without**** burning it up. Run the filaments off 12.6 VAC. That's all ya got to do. The current capability of 6.3 VAC from the HP-23A is only 5.5 amps. The KWM-2A requires 9.4 amps from 6.3 VAC but only 4.7 amps from 12.6 VAC. Is that

clear, yet?

OK, I'll restate it:

KWM-2/A requirements: 6.3 VAC @ 9.4 amps or 12.6 VAC @ 4.7 amps

HP-23A capability: 12.6 VAC @ 11 amps or 6.3 VAC @ 5.5 amps

Clearly, the HP-23A can do it, but only when running the filaments off of 12.6 VAC!

Now, to muddy the water further I'll state my assumptions: I've got both an HP-23A and an HP-23B supply, but only the manual for the HP-23B. The HP-23A provides both 6.3 VAC, 12.6 VAC and variable bias. The HP-23B provides only 12.6 VAC and a fixed bias of -130 VDC. The manual for the HP-23B states that the 12.6 VAC current capability is 11 amps, more than twice the current needed to power the KWM-2/A filaments. ****My assumptions****, since I don't have a manual for the HP-23A are 1) that the HP-23A 12.6 VAC filament current is the same in the HP-23A and HP-23B and 2) that the HP-23A obtains 12.6 VAC from series 6.3 VAC windings of equal power rating.

Is this crystal clear yet? BTW, I'd like to get a copy of the schematic and specs for the HP-23A if anyone someone would be so kind.

Also, clearly, because of the variable bias, the HP-23A is the Heath supply to use. Using the HP-23B with its fixed bias would require some modification. FWIW, I'm using the HP-23A with my KWM-2A and it seems to be handling things just fine, although I've only had it on for an hour or two at a time so far.

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996

From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>

Subject: EV 664 Parts

Message-ID: <199610180303.WAA25955@legend.txdirect.net>

One of our BA fellows blessed me with a very nice EV 664 microphone. Unfortunately it's missing the switch and plug assembly. Anyone have a fried mike with my missing parts? Also, what kind of desk stand is recommended for this mike?

Thanks in advance for your help.

73,
gary

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: michael.hopkins.1171@corvus.com (Michael Hopkins)
Subject: Flight of the VFO
Message-ID: <96101814003826767@corvus.com>

One day our eye and thoughts fell on a \$2 Knight 107 VF0. Inspection showed a single tube oscillator tuning 8-9MC with a VR tube and much better parts than the likes of the Heath VF-1 and its friends which were built to a price. Hooking up the counter and applying 6.3 and 200 volts, we found it would tweak up to 10.94MC or down to 7.7 at 7 volts P-P as it used 25mA. It was a simple matter to get it tuning 10 to 10.4MC for direct output on 30M and harmonics on Six. When the sunspots return it can come back to 8MC to hit 12M, but for now it is a valuable bench tool that demands only a pittance of power from the old Navy Supply that powers our International Xtal ST-50 for Six and a bewildering array of MOPAs for 30M.

* SLMR 2.1a *

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: mknudsen@lucent.com
Subject: Re: Flight of the VFO
Message-ID: <9610182101.AA01989@bock.ih.lucent.com>

Nice posting, and a good use for old VFOs, but I'm a little amused by the idea that Knight kits were better quality than Heath. I built several kits by both makers and operated them back in early thru late '60s. and while Knight's electronic design was good (the R100 rx was a top-performing single-conversion gen-coverage rx) the physical design and quality was -- well, both the R100 main tuning and my TR106 6m xcver (with that 6/2 VFO outboard) developed about 1/4" backlash in the vernier drives after a few hours' usage. I hated the feel of the R100 tuning, and only the wide BWs used on 6m AM back then made the TR-106 tolerable. I will say the VFO never developed the problem.

I would concede that Allied probably designed the V-107 for extra stability, knowing that it would be used on VHF. Wonder how it would've worked on CW, or (shudder) SSB? We 6m freaks all took comfort in the knowledge that our badn was safe from the SSB scourge, since nobody could build anything stable enuf (tx or rx) up there to run it. And nowadays there's even SSB on 2m! Science marches on, over us...
73, mike k aa9rg

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: stever@cybercomm.net (Stephan Rashkin)
Subject: Re: Flight of the VFO
Message-ID: <199610182125.RAA11093@raven.cybercomm.net>

>I hated the feel of the R100 tuning, and only the wide BWs used on 6m AM

I also had a R100 and a R100A back in the early 60's and understand what you mean about the tuning..I fixed that with a big old hollow fluted knob filled with lead BB's and glue..I still remember how nice it felt then tuning across the 40 mtr CW band at 3:30 am with the Q-mult nice and sharp and listening to the desolate howling sound of the band in the wee hours..

Well "Bubble bust" time...Back to paying bills--

73,
Steve

Steve Rashkin, WA2NHZ
Howell, New Jersey 07731

E-mail: stever@raven.cybercom.com

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: berg stephen erik <z931086@corn.cso.niu.edu>
Subject: Re: Flight of the VFO
Message-ID: <Pine.3.89.9610181717.A17358-0100000@corn.cso.niu.edu>

The fellow who designed the Knight VHF transmitters was WA9GAV, if my memory serves me correctly. He lived in Mt. Prospect Illinois at the time. I never used one of those, but I put a lot of hours on a R100A. I didn't mind the tuning so much, but it was a common mod to put another planetary vernier drive outboard of the built in unit. This worked well. One of my buddies did this. I got a National NC-155 instead.

73,

Steve WA9JML

z931086@corn.cso.niu.edu

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: "Brian Carling" <bry@mail1.mnsinc.com>
Subject: For sale archive
Message-ID: <199610181121.HAA29979@user2.mnsinc.com>

I am wondering if anyone knows who maintains the archives here?
Seems like they are falling behind & need help:

i.e. -

Archive BOATANCHORS, file ba.forsale.
Part 1/1, total size 3115 bytes:

----- Cut here -----
This is a list of items for sale by the members of the Boatanchors

mail reflector. Last update: 07JUL1996

Seems like 07 July is a long time ago!

AF4K

Brian Carling in Gaithersburg, Maryland, USA

bry@mnsinc.com

<http://www.mnsinc.com/bry/>

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996

From: "Benjamin D. Hall" <bdhall@ghgcorp.com>

Subject: Re: For sale archive

Message-ID: <326771EB.43EA@ghgcorp.com>

Brian Carling wrote:

Hi Brian and list...

> I am wondering if anyone knows who maintains the archives here?

> Seems like they are falling behind & need help:

>

> i.e. -

>

> Archive BOATANCHORS, file ba.forsale.

> Part 1/1, total size 3115 bytes:

> Last update: 07JUL1996

Well, if I remember correctly the forsale listing isn't being updated because no one ever used it. I think the theory behind it was that instead of posting a message to BA, you put your FS stuff into the forsale listing. However, it seems that just posting it to the list has been the way people have done it lately.

Also, as the keeper of the QTH.BAFOLKS archive, let me just say how time consuming maintaining these archives are. Right now, I have about 100 update/additions/changes to make to QTH.BAFOLKS. Finding the time to do the updates is difficult. My last update took me about 4 or 5 hours to do. Remember, us archive keepers are volunteer and you get what you pay for!

Thanks and 73,

Ben

--

From the computer of	Collector of fine firebottle
Benjamin D. Hall, Houston Texas	equipment, as well as other things
BDHall@GHGCorp.com -or-	involving Earth, Air, Water, and

BHall@GP802.JSC.NASA.gov | Fire.

"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: "Brian Carling" <bry@mail1.mnsinc.com>
Subject: Re: For sale archive
Message-ID: <199610182033.QAA20701@user2.mnsinc.com>

HEY! It's a reply from AF4K!
On 18 Oct 96, Benjamin D. Hall wrote:

> Brian Carling wrote:
>
> Hi Brian and list...
>
> > I am wondering if anyone knows who maintains the archives here?
> > Seems like they are falling behind & need help:
> >
> > i.e. -
> >
> > Archive BOATANCHORS, file ba.forsale.
> > Part 1/1, total size 3115 bytes:
> > Last update: 07JUL1996
>
> Well, if I remember correctly the forsale listing isn't being
> updated because no one ever used it. I think the theory behind it
> was that instead of posting a message to BA, you put your FS stuff
> into the forsale listing. However, it seems that just posting it to
> the list has been the way people have done it lately.
>
> Also, as the keeper of the QTH.BAFOLKS archive, let me just say how
> time consuming maintaining these archives are. Right now, I have
> about 100 update/additions/changes to make to QTH.BAFOLKS. Finding
> the time to do the updates is difficult. My last update took me
> about 4 or 5 hours to do. Remember, us archive keepers are volunteer
> and you get what you pay for!
>
> Thanks and 73,
> Ben
> --
> -----
> --
> From the computer of | Collector of fine firebottle
> Benjamin D. Hall, Houston Texas | equipment, as well as other

> things BDHall@GHGCorp.com

I know what you mean Ben.

I maintain about 9 major listings on a regular basis, and it DOES take time!

Please list me as:

Brian Carling AF4K / G3XLQ
18016 Fertile MEadow COurt
Gaithersburg, MD 20877
(301) 990-6070

bry@mnsinc.com

Thanks!

Brian Carling in Gaithersburg, Maryland, USA
bry@mnsinc.com
<http://www.mnsinc.com/bry/>

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: bharris@scs.philips.com (Brian Harris)
Subject: FREE MONEY!!! (almost)
Message-ID: <267b7160@scs.philips.com>

Need some extra boat anchor \$\$\$money\$\$\$? If so, please read on.

Near Atlanta (GA) there are four pieces of big iron I need for my RCA BTA1R1 1 KW AM broadcast transmitter. They collectively weigh just over 400 pounds.

I would rather give my money to a ham than to ROADWAY, so I am looking for someone traveling from the Atlanta area to Texas, preferably the Dallas/Fort Worth area, to haul this iron for me.

If you don't want money, I have several boat anchors for trade. PLEASE let me know. Thank you.

Brian Harris WA5UEK
972-644-1610 work
972-596-2914 home

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: john <johnmb@mindspring.com>
Subject: Galaxy 5
Message-ID: <2.2.16.19961018190823.34479be0@pop.ral.mindspring.com>

I have a Galaxy 5 with PS/Speaker that is being offered to me at a ridiculously low price ... and while Im not big on "modern" rigs, this has me interested....besides, it might get me on the air for the vintage SSB net....

Any comments? I'd be interested in your comments. I'm not expecting much, but it's all there, PS appears to work, etc....

Best 73
/John

```
+-----+
|John Brewer          johnmb@mindspring.com          |
|WB50AU/4             AMI #24             Clayton, NC |
|Vintage Gear web page: http://www.mindspring.com/~johnmb/ |
+-----+
```

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: gonset msb-1 querry
Message-ID: <a48_9610172118@gigo.com>

hello ba people. i just got my 1960 arrl handbook from a fellow
ba dude and it has several ads in the back about the new
gonset msb-1 mobile ssb transceiver. any body seen one ?
looks kinda neat in that funky gonset way ! 73 tom
--
: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: lblaske@pclink.com (Lee Blaske)
Subject: Heath SB knob skirt corrosion
Message-ID: <v02130505ae8cc144f658@[206.11.0.117]>

With all the discussion of moisture-induced corrosion spotting of aluminum, I thought I'd inquire if this is the same sort of thing I'm experiencing on the main tuning knob skirt and name plate of one of my Heath SB-301's. It has a somewhat mottled look that doesn't appear to have been caused by scratching or any other mechanical means.

Is the aluminum on these parts covered with some kind of finish? Would delicate buffing help? I notice that the small, solid aluminum knob used to move the dial marker is heavily tarnished. I won't be afraid to buff

that knob, because it seems fairly robust.

If there is some kind of finish on the name plate and knob skirts, what's the best way to re-do or rejuvenate it? I hope it doesn't require massive quantities of lye and elbowgrease.

Thanks in advance.

73,

Lee AA0EF

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: lsmith <lsmith@icenter.net>
Subject: Re: Heath SB knob skirt corrosion]
Message-ID: <32670FE9.4B3E@icenter.net>

Hello Fellow Filament Fryers!

After I sent this to Lee directly, I thought there may be someone who could benefit from my experiences with a similar problem in the past. 73 to all you fabulous folks whose pulses pop at the slightest sight of something beastly needing a home!

Lee:

I had a similar problem with several different types of aluminum knobs a few months ago and put out a post on the BA Group which netted some excellent suggestions.

The ones I went with were:

- 1 - use a pink pencil eraser, and just rub the old crud off.....worked very well! Follow the same pattern path as the original dial insert, and keep wiping the eraser clean on a piece of rag.
- 2 - remove the knob, place it in an electric drill on a shaft the right diameter...I used a drill bit...and turn the drill at very low speed, about maybe 30 rpm, and use an eraser....works very well on knobs that have the circular swirl type patterns. Again, clean the eraser off as it removes the oxidized crud layer.

I thought how much harm can you do with an pencil eraser?.....and I'll tell 'ya, they look brand new! I got so hepped up that I pulled all the knobs and tossed them into the dishwasher, and went wild, it gave me a new radio!

I then tried the eraser trick on other metal parts of several rigs, and WOW, it works there too!

Have a go, after all, they can't bother you more than they do now,could

they?

Cheers,
Lee Smith,
VE4ANC

Lee Blaske wrote:

With all the discussion of moisture-induced corrosion spotting of aluminum, I thought I'd inquire if this is the same sort of thing I'm experiencing on the main tuning knob skirt and name plate of one of my Heath SB-301's. It has a somewhat mottled look that doesn't appear to have been caused by scratching or any other mechanical means.

Is the aluminum on these parts covered with some kind of finish? Would delicate buffing help? I notice that the small, solid aluminum knob used to move the dial marker is heavily tarnished. I won't be afraid to buff that knob, because it seems fairly robust.

If there is some kind of finish on the name plate and knob skirts, what's the best way to re-do or rejuvenate it? I hope it doesn't require massive quantities of lye and elbow grease.

Thanks in advance.

73,
Lee AA0EF

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: okasb@rex.mtv.gtegsc.com (Bob Okas)
Subject: Re: Heath SB knob skirt corrosion]
Message-ID: <9610182000.AA27350@rex.mtv.gtegsc.com>

Gang,

My recently acquired Heath MR-1 (Comanche) receiver had mild to severe oxidation on all of the knobs. These are of the cast, non-chromed variety and appear to be made of some light metal alloy. I would guess they might have had a satin finish at one time... After cleaning them with a mild dish detergent to remove the dirt, they still looked spotted. I solved this problem by temporarily mounting them on a long 1/4" shaft and going over them with various grades of steel wool. The mild cases required a polishing with #00000. The really tough ones needed a first pass with #0 before buffing with the other. The results look great!

Bob - N3MBY/6

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: Randyc3@aol.com
Subject: HQ Cleanup help
Message-ID: <961018013044_1547697197@emout01.mail.aol.com>

Just picked up a Hammarlund HQ100C. I am cleaning it up for my dad. I would appreciate some of the collective sage advice of the group.

- 1) Clock works, but the paint on the face is peeling, in large oval sections. None has come off yet- any suggestions on "reattaching" the paint sections?
- 2) Clock cover plastic is a little yellow. I remember seeing posts about polishing this things, but I forgot what the secret formula was - Baking soda? Tooth paste?
- 3) Some lettering is a little light - Has anyone found commercial rub-on lettering with the correct font and size for Hammarlund lettering?

Thanks,

Randy

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: anders@autopsy.corp.sgi.com (Greg Anders)
Subject: IF filters for Collins, Drake, etc.
Message-ID: <9610181047.ZM14491@autopsy.corp.sgi.com>

The following is a repost of an article I received on the Drake mail reflector. Fell free to respond directly to network Sciences if you are interested...

Hello Everybody,

Just to let you know, I recently spoke to Daryl Kemper of Network Sciences in Phoenix, Arizona this week. As was mentioned months back, the company is planning to manufacture a variety of filters for all those great older rigs like the Drakes, Collins, etc. Any filter band width can be made based on customer request. As was told to me they need about 250 potential customers to have a profitable run. Bare minimum is 100. They have only 40 customers right now. If your interested in obtaining that hard to find or non-existent filter please fax or write to these guys what your needs are ie. model, make, filter band-width, etc. Only those people on the list will get a filter. Anything left over is up for grabs.

Each filter will also come with a full plot of its personal specs. I myself am going for the 3 Khz filter for the Drake R7A once offered by Sherwood and Gilfer and manufactured by Network Science! Just remember,

technology has come a long way since these filters were offered years ago. His new designs are far superior to the older ones.

Daryl has asked me to have anyone interested to please write or fax to:

Network Sciences
3382 West Osborn Rd.
Phoenix AZ 85017

Fax- 602-278-7033

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: "Grant Youngman" <nq5t@gte.net>
Subject: Jim Tucker's BA Collection
Message-ID: <199610180327.WAA02147@mail1.gte.net>

Gang ...

For those of you who don't live in the Dallas area and have never been to Tucker Electronics, you missed seeing and drooling over Jim Tucker's excellent collection of BA's on display.

The collection contained a lot of standards (National, Johnson -- including a 500, Heath, Hammarlund, Hallicrafters ... well, you know the list) plus Lettine, CE, Millen and others. Some of it (a DX-100B that I have lusted over for some time comes immediately to mind) was in really beautiful condition.

Presuming the announcement of Tucker's exit from the ham radio business is correct, I guess this equipment will go back behind closed doors. I'll miss my periodic trips over there just to oogle over the stuff. It was a good reference point for some BA's that you hear about a lot but that don't show up often in person at swapmeets in decent shape if at all ...

Grant/NQ5T

Grant Youngman / NQ5T

nq5t@gte.net
<http://home1.gte.net/nq5t/index.htm>
Double Oak, TX -- nr Dallas

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: KWM-2/A Alternative Power Supplies
Message-ID: <199610181514.KAA04373@lesol1.dseg.ti.com>

In looking through the KWM-2 manuals there is yet a third option available for filament power. The power plug can be configured to operate the filaments on 24 volts (@2.35 amps). Decisions, decisions...

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: stever@cybercomm.net (Stephan Rashkin)
Subject: Looking for unrepairable R388/51J vfo's
Message-ID: <199610182324.TAA19094@raven.cybercomm.net>

If anyone has a unrepairable R388/51J Vfo that they have no use for I would like to have it for educational purposes.. Now that I have found myself deep into these rx's, I would like to tear a VFO down and study its workings..A VFO that is beyond repair would be great..I will of course take care of any costs involved with shipping etc..Who knows maybe one day I'll be able to rebuild them for other BA'ers...At work I can even hermetrically seal things..

Thanks 73,
Steve, WA2NHZ

Steve Rashkin, WA2NHZ
Howell, New Jersey 07731

E-mail: stever@raven.cybercom.com

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Military schematic webpage, url?
Message-ID: <32682335.4737@ghgcorp.com>

Hi y'all...

Anyone got the URL of the webpage that has the digitized schematics of tons of military radios? Being the doofus I am I left the URL on my desk at work...

Thanks and 73,
Ben

--

From the computer of	Collector of fine firebottle
Benjamin D. Hall, Houston Texas	equipment, as well as other things
BDHall@GHGCorp.com -or-	involving Earth, Air, Water, and
BHall@GP802.JSC.NASA.gov	Fire.

"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: "Robert Fowle (KC8DBC)" <hammarlund@jacksonmi.com>
Subject: MORE PARTS ADDED TO FS LIST
Message-ID: <2.2.16.19961018150711.22ef2e32@fvmail.com>

I have :

PETER DAHL BTA 5R/T MODULATION TRANSFORMER, 5KW ***SOLD***
elctro eng. works Modulation Reactor type e12497 21henry 1.5adc 3,000vrms
34 ohm dcr
electro eng. works reactor High Voltage DC filter choke type 11654-a
3henry 360 cps
6.7 dcr ind rms 375 pk 7,500 v
choke 10HY @ .2ADC
UTC AR-409
RCA A.C. VOLTAGE PICK-UP MI-27516
GE model 9t51y6171, pri. v. 120/240 sec. v. 12/24 kva .250 80 C rise
magnetic control # 34321-U coil v. 115, (have 2)
standard elect. adjust-o-volt type 520BU, input 230 output 0-270 max

kva .81 3a
efj air variable 500 uuf 3500V .080 gap
Jennings: 500pf vaccumm variable
Jennings: 1000 pf fixed
Jennings: 75 pf vaccumm variable
3x3000T1 tube rebuilt by Econco
MICA's: sangamo type G3B .0002 @ 20,000 pkv 5.6amp @ 1,000kcs
sangamo type G3B .002 @ 15,000 pkv 20 amp @ 1,000 kcs
sangamo type G3B .00033 @ 20,000 pkv 7.5 amp @ 1,000 kcs
sangamo type G3B .003 @ 12,000 pkv 24 amp @ 1,000kcs
aerovox type 1970S .001 @ 20,000 pkv 15a @ 3,000kcs
13a @ 1,000kcs
7.5a @ 300kcs
cde .00012 MFD @ 6,000 PWV 2.2 A-1 mhz (2024-CM76)
condenser products KMOC 25M005ES .05 MFD @ 25,000 VDC (NEW) NON-PCB
blower 1.5 hp 3ph cabable of 2.2 @ 120 cfm
ceramic standoff's, feedthru's, all sizes and shapes
also have all the tunning coils, all below come with standoff's, strips/taps
used with each

sorry no extra tap connectors availible

- 1> EF JOHNSON EDGEWOUND 31 TURNS 5"DIA COIL LENGTH 5 5/8"
HAS INTERNAL DRUM FOR NULLING
- 2> EFJ EDGEWOUND 55 TURNS 5" DIA COIL LENGTH 10 3/8"
WITH INTERNAL DRUM
- 3> EFJ EDGEWOUND 24 TURNS 7 7/8" DIA COIL LENGTH 7 5/16"
INTERNAL DRUM ELECTRIC OPERATED
- 4> EFJ EDGEWOUND 34 TURNS 8 " DIA. COIL LENGTH 8 3/8"
NO DRUM INSIDE
- 5> EFJ EDGEWOUND 15 TURNS 5 3/8 DIA. COIL LENGTH 3 1/8"
NO DRUM INSIDE
- 6> MULTRONICS TUBULAR COIL 3/8"DIA STOCK 4 TURNS 8" DIA
COIL LENGTH 2 7/16"

filiment xfmr's (7.7v@51a, & 12.6v @ 29a)
have mag. switches 70a rated (2)
6A & 30A relays
and many more parts yet to be listed from the RCA BTA 5T 5kw transmitter....
if you don't see what your looking for, write and ask me....

all items are 'make reasonable offer' * i'm not hard to deal with....we all
like to get something at
'our price' don't we? take a chance, the worst i will do is make a counter
offer....plus shipping
(although, pickup on heavy items would be nice, but not a must)

location address & phone number, are in my sig.

* i do it this way because i don't know what the 'fair market' value is, you people are the 'market'
so who better to go to for a price... 8-)

=====]-[->

Robert Fowle KC8DBC
The HAMMARLUND Historian
Ph. 517-789-6721
1215 Winifred
Jackson, Mich. 49202-1946
E-mail: hammarlund@jacksonmi.com
Web Page: <http://www.jacksonmi.com/hammarlund>

HAMMARLUND LITERATURE WANTED

WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====]-[->

Boatanchors: the list: listproc@theporch.com.....subscribe boatanchors
<your name>

the news group: rec.radio.amateur.boatanchors

news group: ham-am@Listserv@ucsd.edu....Body: add ham-am

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: W2CRS@aol.com
Subject: Mystery Transmitter Revisited!
Message-ID: <961018151946_1179501078@emout14.mail.aol.com>

Only one response so far to the posting I made last night about the 6L6 CW transmitter with nice etched aluminum oscillator and antenna tuning name plates and balanced output (600 ohms???). The respondee guesses it was HB, but it sure looks like a kit, at the very least. The PS and RF deck fit perfectly in a good looking cabinet described before. My uneducated guess is that it's a late 1930's kit.

Ironically, I've always wanted a transmitter made in the 1930's (I have several receivers) and all along, I guess I've had one! Never gave this paddleboatanchor even a glance before. Not that it's in bad shape. It's almost a perfect 10!

I've looked at it more thoroughly, and here's some new or corrected information-

It has only one transformer, not two. What I called a the filament transformer last night is an RF choke. It has choke input. So the transformer has a HV winding, a 5VAC winding for the 5Z4 and a 6.3VAC winding for the 6L6. There is a 5000 ohm 10 watt dropping resistor for the 6L6 screen voltage.

With no load, the B+ is almost 500 volts and the screen about 450, way too

high for a 6L6, but maybe under load the voltages will be correct???

I've identified several components. Tell me if you can, if these are 1930's parts? They look more like the components in my NC101X than like the components in my 1940's boatanchors. Here they are-

- two Cardwell variable condensers
- a Cornell Dublier brown rectangular capacitor
- the previously mentioned large rectangular Mallory electrolytic

Also, can someone tell me when unbalanced output was first used? I think coax and unbalanced outputs were developed at the beginning of WWII? The fact that this transmitter has balanced output indicates it's from the 1930's doesn't it???

One more thing. The radio has a metal tag on the front with "Holly Cross Abbey Canon City Colorado". Maybe I should call them up (if they still exist) and speak to one of the oldtimers there?

Enough for now. Maybe someone can come up with additional information?

Thanks and 73, Doug W2CRS

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Richard E Robinson <rerobins@uncc.edu>
Subject: NC-183 saga
Message-ID: <Pine.SOL.3.91.961018144645.5659G-100000@unccsun>

I picked up a somewhat rough NC-183 at the Rock Hill, SC hamfest 2 weeks ago. The previous owner had cleaned up the chassis and evidently retubed it as it was very clean inside. Took it home, hooked it up to the variac and isolation xfmr and slowly ramped up the AC. Surprise! It worked fine. I did take it back out of the cabinet and scrubbed it good with a citrus based cleaner, not Mean Green, and removed 40 some years of nicotine. After a good cleaning, applying white polishing compound, and waxing, it actually looks a lot better.

I decided to recap it though and replaced all electrolytics and all coupling/bypass caps ... roughly 35 caps. It's a real beauty to listen to with the push-pull audio. I did find a bad hum in the limiter before the recapping. Felt the 6H6 and it was cold after about 30 minutes of operation. Turned it off, pulled the 6H6, and found the base locking pin completely broken off. I carefully re-oriented the tube, powered back up and no hum and a working limiter. Luckily the tube wasn't damaged.

Now to the problem that causes me grief. The antenna trimmer capacitor has lost its compression which keeps the stator from shorting out to the rotor. The only way to repair or replace this guy is to pull the tuning cap and frame from the receiver. I know most folks would just live with

it but I'd like to replace or repair it. Has anyone ever pulled a '183 apart this far? It looks time consuming but possible.

Any comments and advice appreciated.

73,

Rick Robinson kf4ar
rerobins@uncc.edu

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: n5off@w5ddl.aara.org
Subject: Need BA NSN Numbers
Message-ID: <489688@w5ddl.aara.org>

For some research i am doing, I need the NSN (not CPN or FSN) numbers for these BA's:

51S-1, 1A and 1F
R-390 if it has one
R-274 (SP-600) if it has one

Thanks a bunch
Tom N5OFF

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: W2CRS@aol.com
Subject: Need Heathkit, B&K, Eico manuals and info
Message-ID: <961018115723_1611055812@emout10.mail.aol.com>

Sure could use a HP23 manual, B&K 801 Capacitor Analyst manual, and Eico 320 sig gen manual. Can anyone help? Will pay the copying, mailing expenses, etc.

Can someone tell me about the Meisner Signal Shifter? I'm picking one up Sunday. AND no one so far as tried to identify the MYSTERY TRANSMITTER!

Thanks and 73, Doug W2CRS

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: wb6zwc@ns.net
Subject: old and large tube
Message-ID: <199610181337.GAA00959@tomcat.ns.net>

wanted --any 212--- would prefer 212E- any brand.

Transmitter used nightly on 160 meters in a Wester Electric
353 transmitter. Filaments went south last night!

=====

Richard@Sacramento,Ca.

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: w4bld@juno.com (Robert B. Kerby)
Subject: Old Military Manuals FS
Message-ID: <19961017.185127.5039.0.W4BLD@juno.com>

Hello BA Gang!!

I have the following old military manuals from an estate. The profit will
go to the widow.

1. Radio Collector's Guide by Langley published in 1973. \$5.00 plus
shipping
2. TM11-2627 Tube Tester I-177 \$3.00 plus shipping
3. Surplus Radio Conversion Manual VOLS 1 & 2 by Everson and Beach.
Printed in 1948. \$20.00 plus shipping
4. "CQ" Command Sets SCr-274/ARC-5 \$5.00 plus shipping
5. "CQ" Surplus Schematics Handbook Cat # 117 \$5.00 plus shipping
6. TM 11-855 to 31R1-2URR-161 Radio Receiver R-389/URR \$15.00
7. TM 11-897 Radio Receiver r-274/FRR \$10.00 plus shipping
8. NAVAER 08-50-3 Aircraft Radio Receiver "ARB" \$10.00 plus
shipping
9. Handbook of Maintenance Instructions for Radio Receiving Equipments
AN/ARR-2 and AN/ARR-2X \$10.00 plus shipping
10. RCA Radio Receiving Equipment Models RBB-2 / RBC-2 \$10.00 plus
shipping
11. Navships 91469 Instruction Book for Radio Receiving Equipment Navy
Models RBB-5, RBB-6, RBC-5 and RBC-6 \$15.00 plus shipping

I estimate all books will go for \$3.00 Priority Mail.

The pricing is a joint effort of two local radio people. I am only the messenger and the person who has agreed to handle the sale. I will discuss all offers with the widow and get back to anyone who has an interest.

Thanks, Guys

Bob - W4BLD
(540) 942-4356

-or-

e-mail as shown above

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Please contact them, not me. // Jeff KH2PZ / KH6
Message-ID: <Pine.GS0.3.93.961017230118.22708A-100000@uhunix3>

>From whkramer@pi.net

For sale: All parts for use with German and british Army WW-II radiosets such as WS-17, WS-18, WS-19, WS-22, WS-46, WS-48, WS-58, WS-62, WS-68, R-107, WS-11, R-109, Fullerphone, Fieldphone, etc.

Antenna 'B' sections for use with WS18, WS46, WS48, WS68, etc \$ 7 /each
Headsets DRL 1 (or 5) , Use with WS38, WS48, WS68, R-107, R-109 etc \$10/ea
Microphone Hand use with WS-18, WS-48, WS-68, remote unit WS-22, WS-62 etc \$50/ea. Junction Box No. 1 for use with WS-38 \$65/each
Microphone throat No. 2 for use with WS-38 \$ 25/each
Mounting strap for use with WS-22 \$30/each
Lamps operator for use with WS-22 \$ 25/each
Mic/headset combination use with WS-19, WS-22, WS-62, etc. \$60/each
and many more...

>From jpeitsch@cris.com Thu Oct 17 22:25:44 HST 1996
Heath vfo Hg-10 vgc \$45 plus shipping

From: larry jaffe <larryj@gis.net>
Wanted to buy HW-32 20 meter heathkit w/ps in operating condition

From: mstrjl@worldnet.att.net (John)
Second is a Drake R4-A receiver. Also excellent (close to collector quality) and works great. Super clean inside too. Comes with MS-4 spkr, original manual and two extral crystals (one is WWV time standard 10mhz). Cash price is \$165.
Last is a Hallicrafters S-120 general coverage receiver. Covers HF ham bands too. This one needs alignment, but case is good. \$40

>From dbusett@mbnoa1.mnet.uswest.com Thu Oct 17 22:29:44 HST 1996
Wanted: Cardwell 54, National NC-400, Hammarlund Pro-300

>From sbrovas@tir.com Thu Oct 17 22:32:04 HST 1996
I have a real nice TR-4C xcvr and manual only for sale. Anyone needing a replacement, this would be a nice one. Has full output with excellent tubes. Price is \$195 shipped.

>From braymer@mail.infoave.net Thu Oct 17 22:33:28 HST 1996
For Sale Drake TR4 10-80 Meters SSB,CW with MS4 Speaker/Powersupply and Matching RV4C VFO,With Manuals and D-104 Mikephone.The radio is in Mint-Condition and has been retubed.Also MFJ 981 3KW Antenna Tuner and G5RV dipole antenna.Complet HF Station \$500.00 Will Not Ship Local Pickup only

>From ginkgo@ecsvax.uncecs.edu Thu Oct 17 22:34:07 HST 1996
Lafayette HA-63 general coverage receiver with matching 99-2532 speaker. Looks good and works well, save for a dirty band selector switch, \$60+ship

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: "Cathy Elizabeth D'Entremont" <cdent@tenet.edu>
Subject: R-391 ps
Message-ID: <Pine.OSF.3.91.961018070036.26467A-100000@gaston.tenet.edu>

Looking for power supply for R-391 for a friend. E-mail me with what ya got or any leads to help this fella out.

73, Gerald D'Entremont WA5TVM
cdent@tenet.edu

From: bgraham@tecnet1.jcte.jcs.mil
Message-ID: <199610181207.HAA03912@uro.theporch.com>

Bill,

Same thing with mine.. I tried it and it didn't hold or seeped and glued the whole thing together (I used superglue).

I think Surplus Sales of Neb has the caps.

Bill
N5LMX/DA1WG

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Nick England <nick@cs.unc.edu>
Subject: R-46 speaker grille cloth
Message-ID: <199610182326.TAA06703@altair.cs.unc.edu>

I am pretty sure the "cloth" on the R-46, R-46A, and R-46B was wire screen covered with "flocking" (little fuzzy particles). The 46 and 46A had gold flocking to set off the black "h", and the 46B had black flocking as background for the silver "h".

Where do you get new flocking and how do you apply it ? I dunno.

Nick KD4CPL

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Hans Jense <jense@eos.arc.nasa.gov>
Subject: Restoring engraved lettering
Message-ID: <199610181616.JAA28449@eos.arc.nasa.gov>

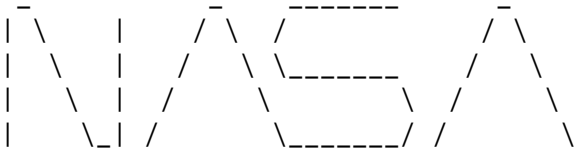
Esteemed BA guru's,

I guess I wasn't paying enough attention when this subject was raised on the list, but I seem to recall someone mentioning the use of lacquer pens to restore the paint in engraved lettering. I'm in the process of restoring my BC-779. The front panel has been resprayed to its original gunmetal grey and looks great (to me anyway), but I've had little luck so far with the lettering. Filling up the engraved letters and then carefully wiping off the excess paint around the edges doesn't work. I always end up removing some paint from the letters. Or maybe I'm not using the right kind of paint (water-soluble acrylic)? Please advise (other kind of paint, pens, brand names, suppliers, etc.) Thanks in advance,

-- Hans Jense

```
=====
Dr. G. J. Jense          | Command & Control and Simulation Division
Senior Scientist         | TNO Physics and Electronics Laboratory
Virtual Environments     | The Hague, The Netherlands
-----
```

Currently on leave at:



Human and Systems Technology Branch
NASA Ames Research Center
Code AFH, Mail Stop 262-2
Moffett Field, CA 94035-1000

Phone: (415) 604-1877
Fax: (415) 604-3729
Email: jense@eos.arc.nasa.gov

=====
From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Restoring engraved lettering
Message-ID: <199610181700.MAA17609@lesol1.dseg.ti.com>

At 11:19 AM 10/18/96 -0500, you wrote:

>Esteemed BA guru's,

>

>I guess I wasn't paying enough attention when this subject was raised
>on the list, but I seem to recall someone mentioning the use of lacquer pens
>to restore the paint in engraved lettering.

Yes, Hans, Lacquer Stick (TM) works well for filling in engraved lettering. It is a very thick paint which can be used to fully fill in engraved areas. Application is very simple. The biggest problem is that it will have to be cleaned off the surrounding paint because it's impossible to apply Lacquer Stick without getting it on adjacent areas. (It removes easily though, often without requiring paint thinner.)

Good Luck. It's available from Antique Electronic Supply here, and probably other places as well.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Richard E Robinson <rerobins@uncc.edu>
Subject: RME-45, NC-183 manuals WTB/WTT
Message-ID: <Pine.SOL.3.91.961018144047.5659F-100000@unccsun>

I need copies of owners manuals for the RME-45 and NC-183 receivers. I will pay for copying and shipping or trade. I have Ryders 1-18 and Sams 1- about 600 and would prefer to trade copies.

73 and thanks,

Rick Robinson kf4ar
rerobins@uncc.edu

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Kevin McDonald <kevin.mcdonald@tivoli.com>
Subject: S-46 grill cloth?
Message-ID: <3267A61B.340A@tivoli.com>

Does anybody know what is the right SG-?? part number from AES to match (or get close to) the grill cloth for the the Hallicrafters R-46 speaker?

Mine has been redone in Hot Red Felt - yuck!

P.S.

Does anybody know why Hallicrafters labels their Receivers with an 'S' and their Speakers with an 'R'?

73,
Kevin N50JF

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: mknudsen@lucent.com
Subject: Re: S-46 grill cloth?
Message-ID: <9610181730.AA01898@bock.ih.lucent.com>

"R" is for Reproducer -- sounds fancier than "speaker" in the Halli catalogs. Dunno about "S" for rx, except SX means xtal filter. Wonder if "HT" as in HT-37 means "Ham Tx?"

BTW, was there any logic behind Collins' use of letters, as in 75A4, 75S1, 32V1 etc? I figure the numbers like 51 and 75 were just assigned to each new internal project in sequential order, with rx starting at 50 to keep separate from Tx lines.

Letters: maybe A=Amateur, J=JAN (mil), S=Soak the rich
73, mike k aa9rg

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: Larry Keith <KQ4BY@IX.NETCOM.COM>
Subject: Re: S-46 grill cloth?/Hammarlund Speaker Cloth
Message-ID: <3267989C.5FED@IX.NETCOM.COM>

Kevin McDonald wrote:

>
> Does anybody know what is the right SG-?? part number from AES to
> match (or get close to) the grill cloth for the the Hallicrafters
> R-46 speaker?
>
> Mine has been redone in Hot Red Felt - yuck!
Yuck is right..

While we are on that subject, I would like to know the answer, also. I have a R-46 that could use new grill cloth, also..

And, for those that are in the mood, how about refurb ideas for Hammarlund speaker cloth. I have both an S-200 and a S-100 in need of a little TLC. Has anyone ever seen replacement cloth with that design? Or, has anyone had any luck with cleaning it?

Friday must be speaker day...

73,

Larry, KQ4BY

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: marty@aa4rm.radio.org (locale for Marty Reynolds)
Subject: SAQ (Alex. 17.2Kc) BA-list RX survey
Message-ID: <199610181841.0AA18907@aa4rm>

I've got my hand up to to assemble a list of equipment & results here on the list

Just mail me your data now or later & I'll assemble & publish it back to

you this time next week.

Since nearly all the data I have's already been published here I'll close now...

saying only I'm using a PBY flying-boat 1939 RX called the DZ-2.
On NA4G advice I'm using DZ's df loop.

--and--

nearby WB4MNF's using a HP selective voltmeter & a retuned TV 15khz audio filter.

Last note is SAQ'll be on 10-23 @ 0900 UTC for 30 min., CW

Marty the LF accountant

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: Karl Verren <kn6cw@hughes.net>
Subject: Searching for a HEATHKIT SBA-300-3 (6 Meter Conv.)
Message-ID: <19961018035825.AAA26115@[205.139.35.245]>

Greetings to all,
I am still searching for the 6 meter conv. for my SB-301. If anyone knows where one of these can be obtained I would be interested in buying or trading for it. Leave a note or call. Thanx in advance. (805) 824-9728
Karl Verren KN6CW
2894 Delmar Ave.
Mojave,CA.93501-1114

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996
From: wj5j@juno.com (John D Hensley)
Subject: Spare knobs needed
Message-ID: <19961017.212804.4479.4.wj5j@juno.com>

Good morning to all,

Does anyone have a spare small Drake control knob as was used throughout the Drake "4" series? If so, please advise.

Also need a rear support knob (moved by touching the exposed "TAB") for an SR150

transceiver. If you have an SR junk unit,
you'll know which I am talking about by
looking at the twin pot shafts.

Thanks in advance.

73, Doug

***** WJ5J / NNN0BXX *****WTB: Nat'l
AN/WRR-2A; Model 28 RTTY parts/crypto/duWTF: Nat'l rack spkr, frame
(late); rack spkr & coil box, NBFM and XCAL units for HR050/60; 15 meter
coil.Help (!) need HA20 6 meter amp and KS1 p.s. for KL1
Still seeking tuning slugs for 51J/51J4 & some parts.*****
wj5j @ juno.com *****

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: "Bob Ragain, 303-470-2534, RAGAIN@SEDALIA.OMNES.SLB.COM"
<RAGAIN@hubvx6.sedalia.wireline.slb.com>
Subject: Superglue on meters, a no-no
Message-ID: <961018125612.2504c13f@hubvx6.sedalia.wireline.slb.com>

For all you boatanchorites who may have a meter with broken glass, here's
a mistake to avoid.

I recently bought a few meters which had broken glass. Most were disassembled,
cleaned to get the glass chips out, then the glass was glued back together on
a flat surface using superglue. That works fine, but one meter could not be
taken apart.

I tried to glue that meter's glass back together with it on the meter. That
worked as far as the broken glass was concerned, but, what I didn't expect
was the effect on the painted stuff inside the meter. The fumes of the
superglue peeled the orange paint off the pointer and wrinkled the painted
numbers on the scale. Definitely glad this was a junkbox meter!

Bob

Bob Ragain WB4ETT Littleton, CO

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: Superglue on meters, a no-no
Message-ID: <199610190100.TAA22015@netcom4.netcom.com>

As Bob Ragain, 303-470-2534, RAGAIN@SEDALIA.OMNES.SLB.COM discourses

>

> For all you boatanchorites who may have a meter with broken glass, here's
> a mistake to avoid.

>

> I recently bought a few meters which had broken glass. Most were disassembled,
> cleaned to get the glass chips out, then the glass was glued back together on
> a flat surface using superglue. That works fine, but one meter could not be
> taken apart.

>

> I tried to glue that meter's glass back together with it on the meter. That
> worked as far as the broken glass was concerned, but, what I didn't expect
> was the effect on the painted stuff inside the meter. The fumes of the
> superglue peeled the orange paint off the pointer and wrinkled the painted
> numbers on the scale. Definitely glad this was a junkbox meter!

>

A good glass shop should be able to make you a new meter glass. You
will need to know the thickness (approx.) of the old glass and make a
template of the shape.

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996

From: "Douglas R. Wiese" <wiese@MR.Net>

Subject: Tube needed - 8072

Message-ID: <199610180436.XAA18197@riverside.mr.net>

Local friend is searching for a new or good used 8072 tube. I believe it
is used in a Motorola UHF repeater (commercial boatanchor we want to modify
for ham UHF repeater), don't know if it has any application in any other
mil or ham tube gear. I promised to ask my fellow firebottle worshipers if
anyone had one for sale or if there was a substitute. It's not listed in
my very limited tube reference works, but I know some of the guys have very
extensive firebottle xref's, since my previous requests for tube info are
always answered. So, if you've got one hanging around you don't need
please email me.

73 - Doug Wiese WB0YDD email wiese@mr.net

From boatanchors@theporch.com Fri Oct 18 08:17:59 1996

From: "Brian Carling" <bry@mail1.mnsinc.com>

Subject: tube.sources out of date too!

Message-ID: <199610181127.HAA00295@user2.mnsinc.com>

List of suppliers and sources for finding vacuum tubes: Updated
21-MAY-95

WOW! Now THAT is old!
I have added a LOT of new sources since then!
If anyone is interested in getting the up to date archive listing
MANY more sources, surf to my web page & get the file tubes.txt

<http://www.mnsinc.com/bry/hamfiles.html>

73 de AF4K, Bry
Brian Carling in Gaithersburg, Maryland, USA
bry@mnsinc.com
<http://www.mnsinc.com/bry/>

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Tucker radio Sold
Message-ID: <199610182015.PAA10381@lesol1.dseg.ti.com>

At 03:46 PM 10/17/96 -0500, Dave Thompson wrote:
>I will not tie up much bandwidth..but Tucker has sold its amateur radio
>business to HRO.

Being local to the Dallas area, I had mixed feelings about this. That is,
until I went to check out boatanchors via the Tucker home page this
afternoon. Even though Tucker's was out of the ham business as of two days
ago, they still have the same detailed list of boatanchor gear that's been
on the world wide web for at least six months! Either they never sold any
of the old gear during that time or they never got around to updating the
list. Either way, they just weren't quite into the spirit of providing
service to their customers.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Jeffrey Herman <jherman@hawaii.edu>
Subject: Upload of Coil ver.2 (inductance calculator)
Message-ID: <96Oct18.115507hwt.188157@uhunix3.its.Hawaii.Edu>

Thought this might be of interest to the homebrews amongst us.
Jeff KH2PZ

-----Begin Emil's coil file-----

I have uploaded on oak.oakland.edu in the directory:

 /pub/hamradio/ham-utils coil200.zip

COIL version 2.00

This program computes the electrical self inductance of various shapes and sizes of air core coils:

- Single-layer circular solenoid of round wire
- Multilayer circular solenoid
- N-turn circular loop
- Circular solenoidal current sheet
- Straight round wire
- Circular toroid, circular winding
- Circular torus ring, rectangular winding
- Single-layer square solenoid
- Multilayer square solenoid (low precision)

and the LC parameters at resonance:

- Inductance at resonance
- Capacity at resonance
- Frequency at resonance
- Impedance of LC

The program is "Cardware". (i.e. freeware but you'll have to send me a postcard if you use it).

Emil LAURENTIU

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996

From: Dan Kerl <dlkerl@ro.com>

Subject: Re: Upload of Coil ver.2 (inductance calculator)

Message-ID: <32680690.1898@ro.com>

Jeffrey Herman wrote:

>

> Thought this might be of interest to the homebrews amongst us.

> Jeff KH2PZ

> -----Begin Emil's coil file-----

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> The program is "Cardware". (i.e. freeware but you'll have to send me a
> postcard if you use it).
> Emil LAURENTIU

/pub/hamradio/ham-utils should be /pub/hamradio/dos/ham-utils

(at least that's where I found it...)

Dan Kerl
dlkerl@ro.com

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: hagelin@magi.com (Richard Brisson)
Subject: Re: USS PAMPANITO (SS-383) WW2 sub project
Message-ID: <199610182259.SAA24618@istar.ca>

> ...
>The RAL-6, RBH-2, AN/ARC-4 and AN/APR-1 components and manuals
>shouldn't be too difficult to find amongst this group. The radar
>(SD-4, SJ-1) and IFF (BN, ABK-1) gear will be a bit tougher. But the
>sonar (WCA, NM, JP-1) and other accessories (AN/SPA-1) will probably be
>rarer than hens' teeth! The crypto? -- forget it!
>
>73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA ex-W6RIC
>

Crypto? Well one should almost forget it ...

When one looks at the web site (specified by Jerry Proc a few weeks ago):

<http://www.maritime.org/com.shtml>

a partial listing of the more important crypto gear includes:

CSP-888/889 = ECM Mark II = M-134-C = SIGABA
CSP-845 = M138A = CSP-1088

CSP-1500 = M-209 = C-38
CSP-488 = M-94

There is partial hope at least for the M-209 and even the M-94. Many have the M-209 (including myself) and most assuredly one can either be purchased or obtained on loan from DOD. From a cost point of view, these are not bad (relatively speaking !); one was recently for sale in A.R.C. for \$800 USD which is a bargain.

Now for the big ticket item, the SIGABA. The only hope here is for one without the "important" innards. The National Cryptologic Museum should be consulted here

(its curator is Jack Ingram) and they may be able to help even if it's just photographs and some documentation. Does anyone know if a SIGABA, TYPEX or KL-7 is privately owned by anyone, most likely without the rotors ? I wouldn't be looking for names here, just a nod so that I can keep my hopes up :-)
The SIGABA merits the name "boatanchor" in my mind by its sheer density and weight !

Jerry Proc has been undergoing a very similar experience (HAIDA) with the Canadian government as he seeks a KL-7 and KWR-37 ... long and arduous process. I tip my hat to him for persisting with this project.

One thing that is most peculiar about the availability of some cryptogear in the U.S. is what appears when you check the site:

<http://131.87.1.51/asset/pubgeo.html>

which I believed was discussed here before. Here you can scan the surplus holdings of the many DoD surplus sites throughout the world. No doubt most of you have already checked the radio surplus gear. For example, you can get:

GUAM GQ.	KG-36 B 04 MOD 6,7
NORTH ISLAND CA.	KIR1ATSEC

??? These can't possibly be available.

73, Richard.

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: "Barry L. Ornitz" <u856010@eastman.com>
Subject: UV
Message-ID: <Pine.ULT.3.91.961018113502.3174A-1000000@dua150.kpt.emn.com>

Richard Hager wrote:

> I just want to mention that many micro-organisms are killed by UV. Most
> hospitals have UV apparatus for treating a variety of skin infections.
> It may be a mistake to dismiss all old practices as 'quackery' just
> because they were 'over-applied' to too many problems back then.

Short wavelength ultraviolet, which is produced by mercury discharge at 253.6 nm, is rather nasty stuff. Of course it kills microorganisms, but it also kills healthy cells, causes extreme sunburn, and can cause genetic changes and induce cancer too. It is used to treat skin infections much like X-rays are used to treat extreme acne - very carefully, with lots of precautions, and only in certain cases.

I think you missed my point, however, so allow me to state it again. Boatanchor technology is not necessarily good because it is old. But likewise, it is not necessarily bad either just because it is old. With the benefit of many years of additional knowledge, we should be better able to discard what is dangerous about older technology while adapting what is good for our purposes. My point was that we should not compromise on safety.

Now for Jack's obligatory boatanchor hook...

Typical mercury vapor rectifiers like the 866, 872 and larger, do emit a little shortwave UV. However their glass envelopes absorb most of the UV energy produced within the tubes. Mercury vapor light sources designed for high ultraviolet output generally use quartz windows. Most of the UV energy is contained within the plate structure too. The nice blue glow produced outside the plate is a very weak UV producer. Thus there is little danger from these tubes as ultraviolet sources. However it is still wise to avoid directly viewing the glow for extended periods of time. It is even more wise to shield them so fingers and body parts cannot touch them in operation! :-)

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996

From: Al Klase <alklase@prolog.net>

Subject: VLF Listening

Message-ID: <199610181857.0AA21091@ns1.ptd.net>

The upcoming 17.2KHz transmission from SAQ seems to have generated a lot of interest in VLF, so I thought I'd share my limited experience with the group. I've been dabbling in LF and VLF for the last 5 or 6 years. I've been making preparations to listen for SAQ, but find I'll be out of town

next week. RATS! (Anybody in the Irvine, CA vicinity with a receiver want a visitor in the middle of the night?)

My current set up is an HP-312A frequency selective voltmeter and a 100 foot "T" antenna about 30 feet up. (G5RV with the feeder shorted) The antenna is probably the most important factor on this band. Over the years I've tried active antennas and loops, but the old "long" wire seems to work best. I think this is a function of location rather than antenna type. You need to pick up the signal from outside the noise field in and around your house.

Other receiver possibilities: Real VLF receivers like the R-389, WRR-3, SRR-11/FRR-21, and even the regens "a la" the RAL should do a good job. A VLF converter in front of a good HF CW receiver will also work well. What you need is high selectivity because it's really noisy down there, and good frequency accuracy because most of these stations don't ID. A home brew converter can be pretty simple: a low pass filter input to kill everything from the BC band up, a crystal controlled local oscillator (any frequency you RX can tune) and a balanced mixer. The mixer needs to be balanced to cancel out the converter local oscillator on the output because the receiver is going to have to tune within 10 or 15KHz of the LO.

OK, so here's a report of what I can hear in a semi-rural location in western New Jersey:

100 KC quite	Loran-C - rattling pulses spread across 10-20 KC. Should be strong in most costal areas.
60 KC good progress	WWVB - CW keyed with a 1 Hz digital code. You're making if you can hear them in the Eastern US.
24.8	Weak FSK. Possibly NLK in Jim Creek, Washington.
24.0 KC	Strong FSK. Should be NAA in Maine.
13.6 fashion from	Omega common freq. 1 second CW pulses in round robin several transmitter sights. I can hear 2 or 3.
13.1 Dakota.	1 second CW pulses. Should be the Omega station in North

In addition there are unidentified FSK signals spread around the band. I have not heard anything that I thought came from Europe. This makes me wonder if it will be possible to hear SAQ. Guess I need to do some more antenna work to drive up the signal to noise ratio.

I'd enjoy hearing form anyone else who is experimenting.

73, Al

Al Klase - N3FRQ
alklase@prolog.net
Flemington, NJ

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: "Richard A. George" <wa6jox@rain.org>
Subject: WTB
Message-ID: <Pine.SUN.3.95.961018170620.28827A-1000000@coyote.rain.org>

I would like to buy the following items. please e-mail direct:
QST magazine Febuary 1960
QST magazine August 1964
ARRL handbooks 1967,1968,1969

Will pay reasonable price and shipping thanks Dick K6KWQ

From boatanchors@theporch.com Fri Oct 18 14:16:18 1996
From: "Douglas M. Gordon" <dmgordon@electriciti.com>
Subject: WTB Globe King 400 parts
Message-ID: <1.5.4.16.19961018083056.1a6f8140@electriciti.com>

Hi WRL fans,

Looking for the following parts for GK 400B:

Mod. Xfirmr.
Neut. Caps. for V70D's (need 2)
Ceramic feedthru bushings that Neut. Caps. were mounted on (need 2)
Lil "cups" that mount the V70 sockets below the chasis
Pair of "good" 812H tubes

You can't blame me for trying. Consider buying complete RF deck(A, B or C)
or complete xmtr if price is not too intimidating. Also consider buying
500A or B.

Prefer PU in So. Cal. area on complete xmtr but am open to all options.

Thanks for reading this request.

73,

Doug K6PUN
Carlsbad, CA

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Zenith and Central Electronics
Message-ID: <199610182032.PAA12207@lesol1.dseg.ti.com>

While perusing Moore's book on transmitters I happened to notice that Zenith took over Central Electronics in 1959. Three years later, in 1962, Zenith shut down Central Electronics.

It seems that Heathkit was not Zenith's only excursion into amateur radio. How's the saying go... History repeats itself.

Regards,
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com
Views expressed herein are no one's fault but mine.

From boatanchors@theporch.com Fri Oct 18 20:04:28 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: Zenith and Central Electronics
Message-ID: <Pine.ULT.3.95.961018155425.20482B-100000@admin.aurora.edu>

On Fri, 18 Oct 1996, Bill Sorsby wrote:

> While perusing Moore's book on transmitters I happened to notice that Zenith
> took over Central Electronics in 1959. Three years later, in 1962, Zenith
> shut down Central Electronics.
>
> It seems that Heathkit was not Zenith's only excursion into amateur radio.
> How's the saying go... History repeats itself.

I heard that Central Electronics was actually started by a couple hams from Zenith in the first place - a garage operation. Anyone know for sure?

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL